



1600

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/533,427B

DATE: 07/19/2002

TIME: 14:35:23

Input Set : A:\W143786.txt

Output Set: N:\CRF3\07192002\I533427B.raw

4 <110> APPLICANT: Chiorini, John
 5 Kotin, Robert M.
 6 Safer, Brian
 7 Davidson, Elizabeth
 8 Zabner, Joseph
 10 <120> TITLE OF INVENTION: AAV5 VECTOR FOR TRANSDUCING BRAIN CELLS AND LUNG CELLS
 12 <130> FILE REFERENCE: 14014.0323U2
 14 <140> CURRENT APPLICATION NUMBER: 09/533,427B
 15 <141> CURRENT FILING DATE: 2000-03-22
 17 <160> NUMBER OF SEQ ID NOS: 26
 19 <170> SOFTWARE: FastSEQ for Windows Version 3.0

ERRORED SEQUENCES

1268 <210> SEQ ID NO: 26
 1269 <211> LENGTH: 621
 1270 <212> TYPE: PRT
 1271 <213> ORGANISM: Artificial Sequence
 1273 <220> FEATURE:
 1274 <223> OTHER INFORMATION: Description of Artificial Sequence; Note =
 1275 synthetic construct
 1277 <400> SEQUENCE: 26
 1278 Met Pro Gly Phe Tyr Glu Ile Val Ile Lys Val Pro Ser Asp Leu Asp
 1279 1 5 10 15
 1280 Glu His Leu Pro Gly Ile Ser Asp Ser Phe Val Asn Trp Val Ala Glu
 1281 20 25 30
 1282 Lys Glu Trp Glu Leu Pro Pro Asp Ser Asp Met Asp Leu Asn Leu Ile
 1283 35 40 45
 1284 Glu Gln Ala Pro Leu Thr Val Ala Glu Lys Leu Gln Arg Asp Phe Leu
 1285 50 55 60
 1286 Thr Glu Trp Arg Arg Val Ser Lys Ala Pro Glu Ala Leu Phe Phe Val
 1287 65 70 75 80
 1288 Gln Phe Glu Lys Gly Glu Ser Tyr Phe His Met His Val Leu Val Glu
 1289 85 90 95
 1290 Thr Thr Gly Val Lys Ser Met Val Leu Gly Arg Phe Leu Ser Gln Ile
 1291 100 105 110
 1292 Arg Glu Lys Leu Ile Gln Arg Ile Tyr Arg Gly Ile Glu Pro Thr Leu
 1293 115 120 125
 1294 Pro Asn Trp Phe Ala Val Thr Lys Thr Arg Asn Gly Ala Gly Gly Gly
 1295 130 135 140
 1296 Asn Lys Val Val Asp Glu Cys Tyr Ile Pro Asn Tyr Leu Leu Pro Lys
 1297 145 150 155 160

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```

1298 Thr Gln Pro Glu Leu Gln Trp Ala Trp Thr Asn Met Glu Gln Tyr Leu
1299          165          170          175
1300 Ser Ala Cys Leu Asn Leu Thr Glu Arg Lys Arg Leu Val Ala Gln His
1301          180          185          190
1302 Leu Thr His Val Ser Gln Thr Gln Glu Gln Asn Lys Glu Asn Gln Asn
1303          195          200          205
1304 Pro Asn Ser Asp Ala Pro Val Ile Arg Ser Lys Thr Ser Ala Arg Tyr
1305          210          215          220
1306 Met Glu Leu Val Gly Trp Leu Val Asp Lys Gly Ile Thr Ser Glu Lys
1307 225          230          235          240
1308 Gln Trp Ile Gln Glu Asp Gln Ala Ser Tyr Ile Ser Phe Asn Ala Ala
1309          245          250          255
1310 Ser Asn Ser Arg Ser Gln Ile Lys Ala Ala Leu Asp Asn Ala Gly Lys
1311          260          265          270
1312 Ile Met Ser Leu Thr Lys Thr Ala Pro Asp Tyr Leu Val Gly Gln Gln
1313          275          280          285
1314 Pro Val Glu Asp Ile Ser Ser Asn Arg Ile Tyr Lys Ile Leu Glu Leu
1315          290          295          300
1316 Asn Gly Tyr Asp Pro Gln Tyr Ala Ala Ser Val Phe Leu Gly Trp Ala
1317 305          310          315          320
1318 Thr Lys Lys Phe Gly Lys Arg Asn Thr Ile Trp Leu Phe Gly Pro Ala
1319          325          330          335
1320 Thr Thr Gly Lys Thr Asn Ile Ala Glu Ala Ile Ala His Thr Val Pro
1321          340          345          350
1322 Phe Tyr Gly Cys Val Asn Trp Thr Asn Glu Asn Phe Pro Phe Asn Asp
1323          355          360          365
1324 Cys Val Asp Lys Met Val Ile Trp Trp Glu Glu Gly Lys Met Thr Ala
1325          370          375          380
1326 Lys Val Val Glu Ser Ala Lys Ala Ile Leu Gly Gly Ser Lys Val Arg
1327 385          390          395          400
1328 Val Asp Gln Lys Cys Lys Ser Ser Ala Gln Ile Asp Pro Thr Pro Val
1329          405          410          415
1330 Ile Val Thr Ser Asn Thr Asn Met Cys Ala Val Ile Asp Gly Asn Ser
1331          420          425          430
1332 Thr Thr Phe Glu His Gln Gln Pro Leu Gln Asp Arg Met Phe Lys Phe
1333          435          440          445
1334 Glu Leu Thr Arg Arg Leu Asp His Asp Phe Gly Lys Val Thr Lys Gln
1335          450          455          460
1336 Glu Val Lys Asp Phe Phe Arg Trp Ala Lys Asp His Val Val Glu Val
1337 465          470          475          480
1338 Glu His Glu Phe Tyr Val Lys Lys Gly Gly Ala Lys Lys Arg Pro Ala
1339          485          490          495
1340 Pro Ser Asp Ala Asp Ile Ser Glu Pro Lys Arg Val Arg Glu Ser Val
1341          500          505          510
1342 Ala Gln Pro Ser Thr Ser Asp Ala Glu Ala Ser Ile Asn Tyr Ala Asp
1343          515          520          525
1344 Arg Tyr Gln Asn Lys Cys Ser Arg His Val Gly Met Asn Leu Met Leu
1345          530          535          540
1346 Phe Pro Cys Arg Gln Cys Glu Arg Met Asn Gln Asn Ser Asn Ile Cys

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```

1347 545                550                555                560
1348 Phe Thr His Gly Gln Lys Asp Cys Leu Glu Cys Phe Pro Val Ser Glu
1349                565                570                575
1350 Ser Gln Pro Val Ser Val Val Lys Lys Ala Tyr Gln Lys Leu Cys Tyr
1351                580                585                590
1352 Ile His His Ile Met Gly Lys Val Pro Asp Ala Cys Thr Ala Cys Asp
1353                595                600                605
1354 Leu Val Asn Val Asp Leu Asp Asp Cys Ile Phe Glu Gln
1355                610                615                620

```

E--> 1356 ATTORNEY DOCKET NO. 14014.032302
 1358 24

— delete

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/533,427B

DATE: 07/19/2002

TIME: 14:35:24

Input Set : A:\W143786.txt

Output Set: N:\CRF3\07192002\I533427B.raw

L:1358 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:26